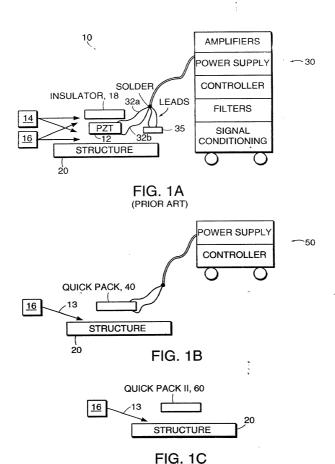
Intle. "Method and Device for Vibration Control Inventor(s): Spangler et al. Filed: Herewith Atty. Docket No. ACX-128CP Atty/Agent: SMBauer/JACamacho Express Mail Label No. EL702625025US Sheet 1 of 25



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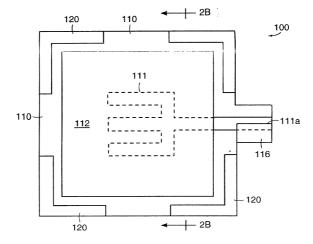


FIG. 2A

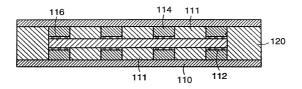
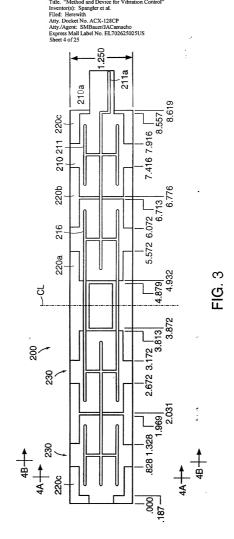


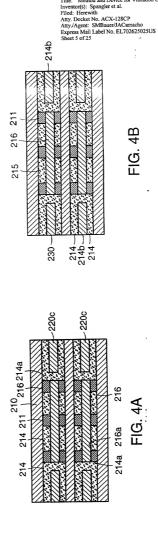
FIG. 2B

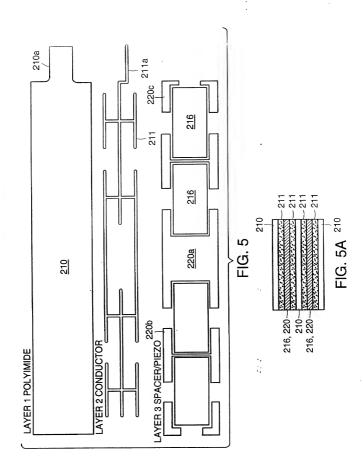
Title: "Method and Device for Vibration C Inventor(s): Spangler et al. Filed: Herewith Atty. Docket No. ACX-128CP Atty /Agent. SMBauer/J ACamacho Express Mail Label No. EL702625025US Sheet 3 of 25 -82b 8 8 112 82a 73 FIG. 2C 6/ 22 72 112 7

Title. "Method and Device for Vibration Control



Title. "Method and Device for Vibration Control"





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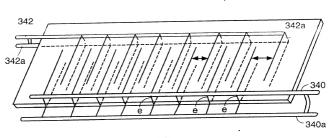


FIG. 6

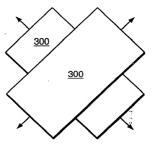


FIG. 7

IIIe. Method and Device for Vibration Control"
Inventor(s): Spangler et al.
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Atty. Agent: SMBauer/JACamacho
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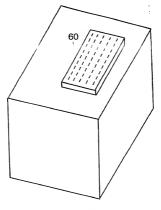


FIG. 8A

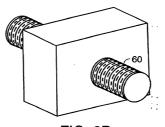


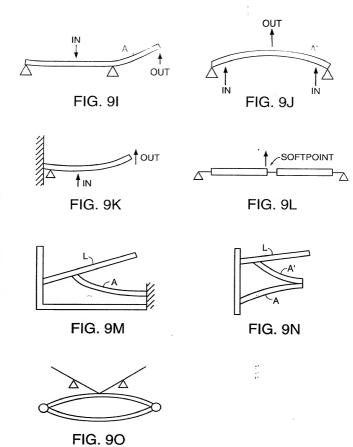
FIG. 8B

Inventor(s): Spangler et al Filed: Herewith Atty. Docket No. ACX-128CP Atty./Agent: SMBauer/JACamacho Express Mail Label No EL702625025US Sheet 9 of 25 FIG. 9B FIG. 9A THITTIETH THE FIG. 9C FIG. 9D FIG. 9F FIG. 9E

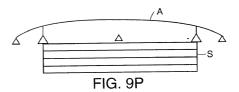
FIG. 9G

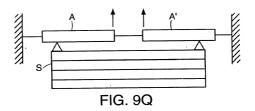
FIG. 9H

Inte. Method and Device for Vibration Control Inventor(s): Spangler et al. Filed: Herewith Atty. Docket No. ACX-128CP Atty. Agent: SMBauer/JACamacho Express Mail Label No. EL702625025US Sheet 10 of 25



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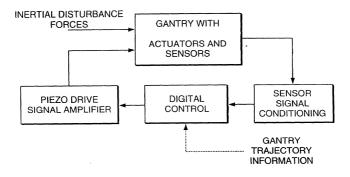


FIG. 10

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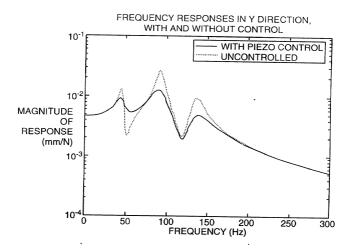


FIG. 11



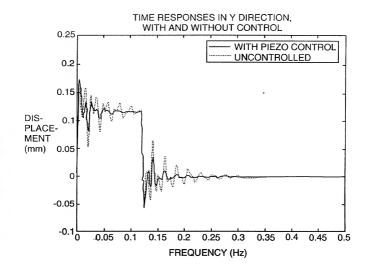
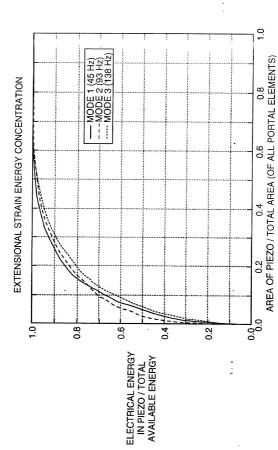
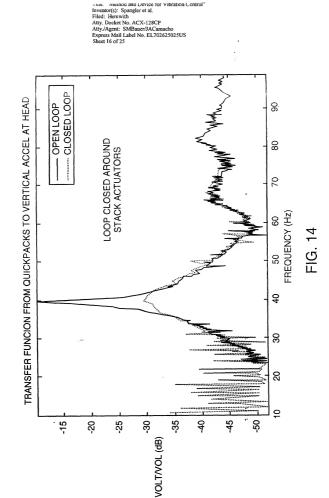


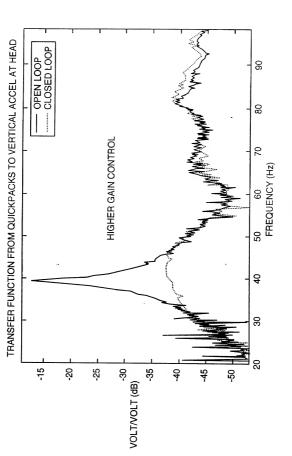
FIG. 12



Title. Withful and Device for Vibration of Inventor(s): Spangler et al. Filed: Herewith Atty. Docket No. ACX-128CP Atty./Agent: SMBauer/JACamacho Express Mail Label No. EL702625025US Sheet 15 of 25

FIG. 13

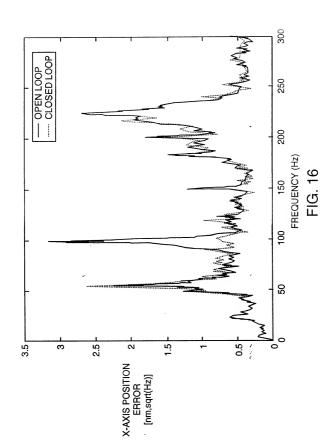




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FIG. 15





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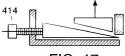


FIG. 17

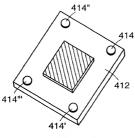


FIG. 18

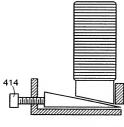


FIG. 19

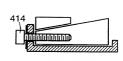
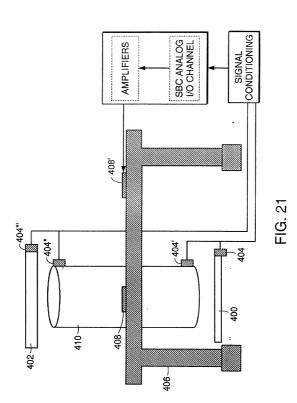


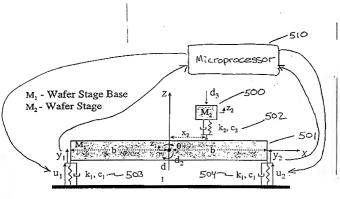
FIG. 20

Title: niterious and Device for Vibration Control" Inventor(s): Spangler et al. Filed: Herewith Atty. Docker No. ACX-128CP Atty-Agent: SMBauer/JACamacho Express Mail Label No. EL702625025US Sheet 20 of 25



Menior and Device for





- Inputs (u,): Voice Coil forces on base in Z
- · Outputs (yi): Laser displacement measurements collocated with voice coil inputs
- Disturbances (di): Z-force and θ moment on base, Z force on stage

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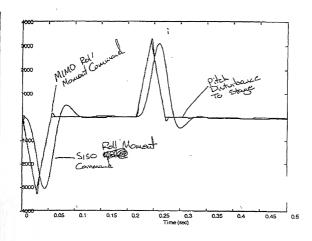
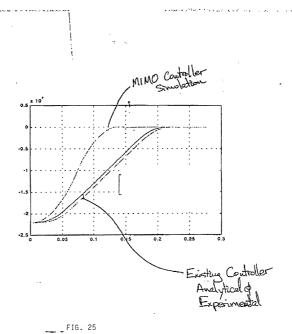


FIG. 23

3

FIG. 24

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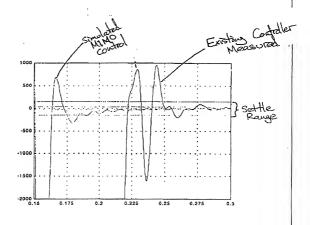


FIG. 26